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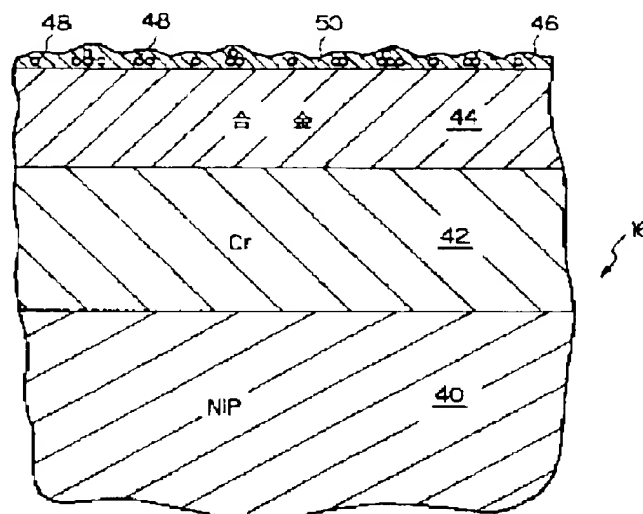
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TITLE : LUBRICATING SYSTEM, DATA
RECORDING DISK DEVICE AND
DATAE RECORDING DISK



ABSTRACT : PURPOSE: To improve the lubricating film between a transducer and a disk in terms of wear and fixability.

CONSTITUTION: A film contg. fullerene molecules or the deriv. thereof, more preferably C₆₀ or C₇₀ fullerene molecules is used as the lubricating film between two bearing surfaces. The data recording disk file 16 embodying the same includes a substrate 40, a Cr lower layer 42, a Co alloy magnetic layer 44 and the lubricating film 46. The lubricating film 46 contains the individual fullerene molecules or their clusters 48 on the magnetic layer 44 and the amorphous carbon 50 deposited by sputtering on the magnetic layer 44 couples the fullerene molecules or their clusters 48 to the disk by enclosing these molecules or clusters.

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